20S0E0" E026000T

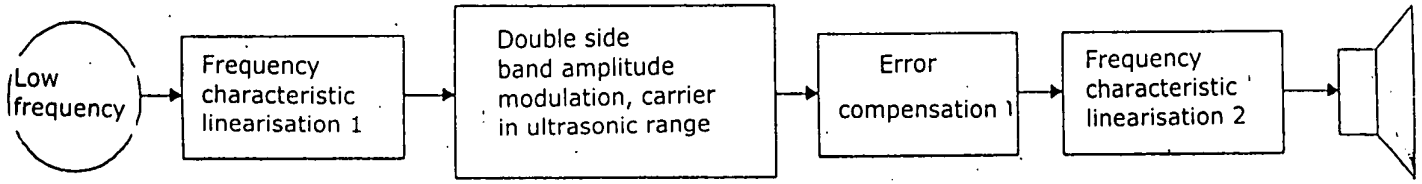


Figure 1 **Simple implementation of the ultrasonic loudspeaker**

0/009703

20SOEO°EO260001

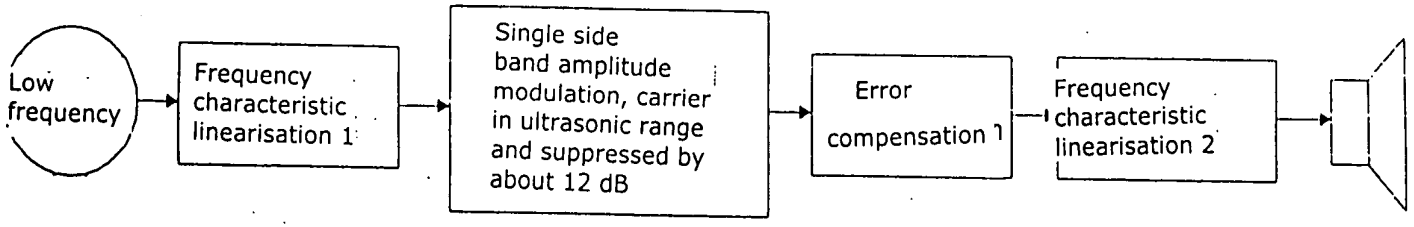


Figure 2 **Improved circuit of the ultrasonic loudspeaker**

10/009703

20050E0"E0760007

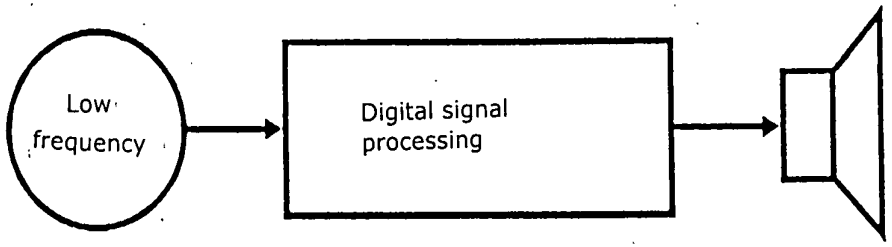


Figure 3 **Transmission path embodied with digital signal processing (DSP)**

10/009705

20050303 "EP0097003

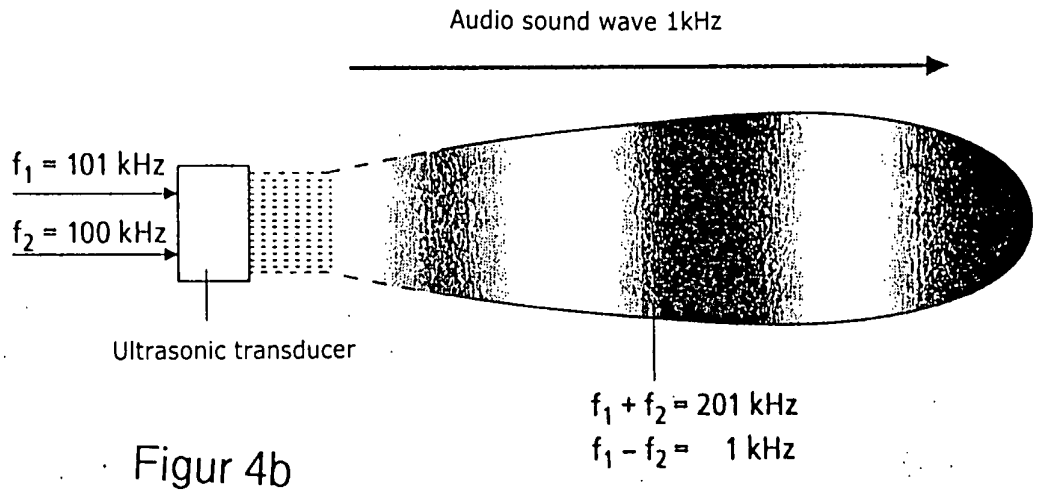
f1 = Carrier frequency (ultrasound at constant amplitude)

Δf = audio signal

Figur 4a

10/009703

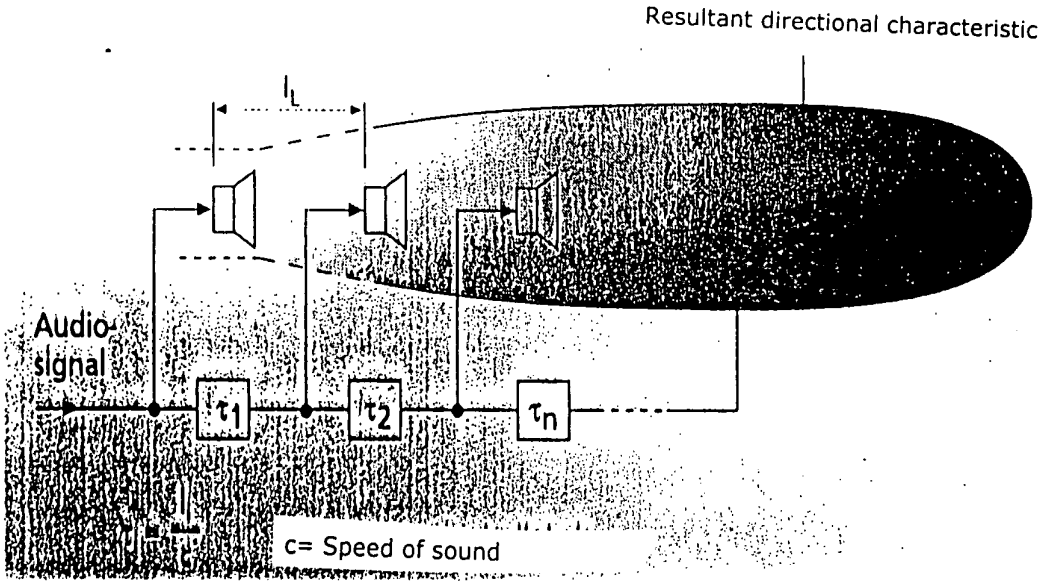
20050E0' E0760001



Figur 4b

10/009703

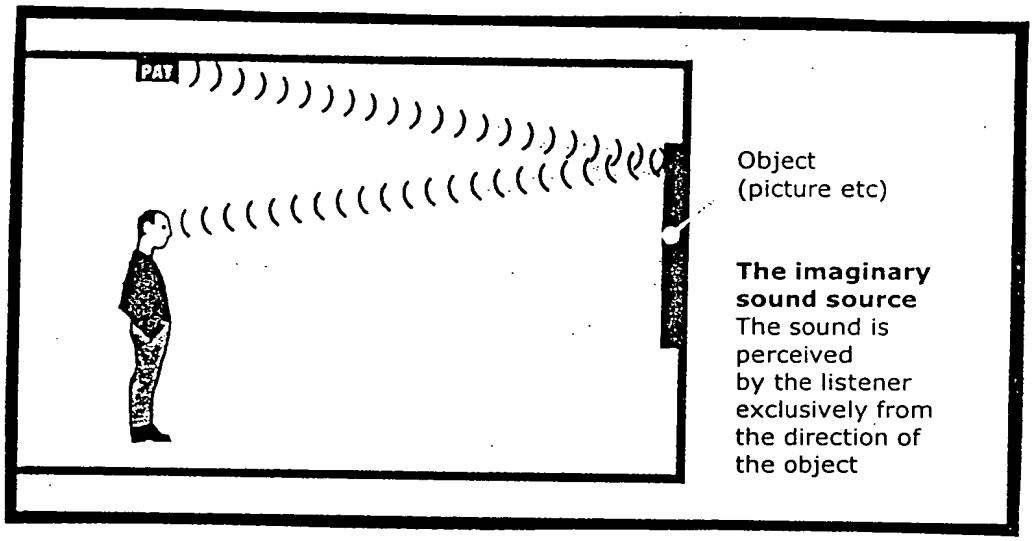
20050303 E0760001



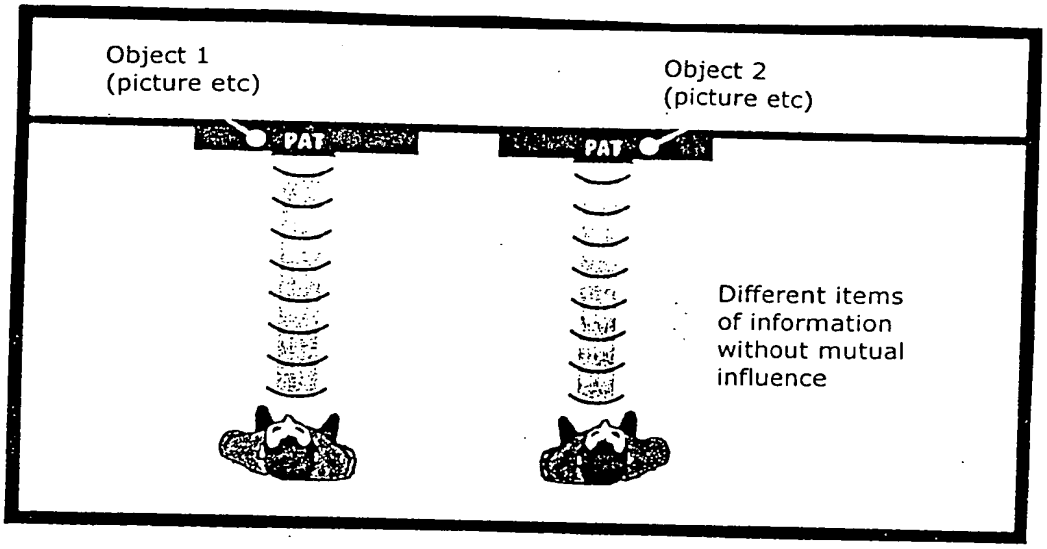
Figur 5

10/009703

29506 EP 00/5000



Figur 6a



Figur 6b

20050203 EP000969